BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

SCHEDULE-B

Name of Work: Improvements to roads & drains at 10th cross Havnoor Layout road Connectiing to Difence colony in Bagalagunte Ward No 14

Sl. No	Description of work	Unit	Qty	Sanctioned Approved Rates	
				In Figures	In Words (Rs.)
1	2	3	4	5	6
1	Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods Complete as per specification and direction of Engineer-in-charge of the work.	Cum	124.20	75.60	Rupees Seventy Five and Sixty Paise Only
2	Removing B.S.Slab of drain and stacking etc., Complete as per specification and direction of Engineer-in-charge of the work.	Sqm	162.00	58.32	Rupees Fifty Eight and Thirty Two Paise Only
3	Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing Complete as per specification and direction of Engineer-in-charge of the work.	Cum	60.75	4847.04	Rupees Four Thousand Eight Hundred Forty Seven and Four Paise Only
4	Providing and laying in position plain cement concrete of mix M1:2:4 with cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing Complete as per specification and direction of Engineer-in-charge of the work.	Cum	25.88	5228.98	Rupees Five Thousand Two Hundred Twenty Eight and Ninety Eight Paise Only
5	Refixing stone slabs of drains and pointing in CM 1:3 etc., Complete as per specification and direction of Engineer-in-charge of the work.	Sqm	243.00	75.60	Rupees Seventy Five and Sixty Paise Only
6	Providing Granite slabs selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., Complete as per specification and direction of Engineer-in-charge of the work.	Sqm	162.00	639.36	Rupees Six Hundred Thirty Nine and Thirty Six Paise Only

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7	Pr ding and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing Complete as per specification and direction of Engineer-in-charge of the work.	Sqm	360.00	993.60	Rupees Nine Hundred Ninety Three and Sixty Paise Only
8	Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials. Complete as per specification and direction of Engineer-in-charge of the work.	Sqm	405.00	1600.00	Rupees One Thousand Six Hundred Only
9	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous tratement including cost of all materials, labour, HOM of machineries Complete as per specification and direction of Engineer-in-charge of the work.	Sqm	307.20	3.02	Rupees Three and Two Paise Only
10	Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., Complete as per specification and direction of Engineer-in-charge of the work.		23.04	1438.56	Rupees One Thousand Four Hundred Thirty Eight and Fifty Six Paise Only
11	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50/75mm compacted thickness with 3.3% bitumen but excluding the cost of primer/tack coat with lead incl. cost of all materials, labour, HOM of machineries complete as per specifications with 80/100 grade bitumen using 40/60TPH capacity H.M.P with sensor paver Gr II (50/75mm) with 3.3% VG 30 Bitumen Complete as per specification and direction of Engineer-in-charge of the work.		3.84	6957.36	Rupees Six Thousand Nine Hundred Fifty Seven and Thirty Six Paise Only

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12	Providing and applying primer coat with S.S. Bitumen emulsion on prepared surface of granular base such as WBM, WMM including clearing of road surface and spraying primer at the rate of 0.6 kg / sqm using mechanical means complete as per specifications, with all leads and lifts etc., Complete as per specification and direction of Engineer-in-charge of the work.		64.00	34.56	Rupees Thirty Four and Fifty Five Paise Only
13	Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (exlcuding cleaning of road surface) including cost of all materials, labour, HOM of machineries Complete as per specification and direction of Engineer-in-charge of the work.	Sqm	243.20	18.74	Rupees Eighteen and Seventy Three Paise Only
14	Providing and laying bituminous concrete with hot mix plant using crushed aggregates of specified grading, pre mixed with bituminous binder and filler, transporting the hot mix to work site laying with paver finisher to the required grade, level and alignment . Rolling with smooth wheeled Vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause no 500.9 complete in all respects complete as per specifications. MORTH specification No509, using 100/120 TPH capacity H.M.P.with sensor paver Gr -II (30mm to 45mm) with 6% VG-Bitumen Complete as per specification and direction of Engineer-in-charge of the work.	Cum	12.29	11676.96	Rupees Eleven Thousand Six Hundred Seventy Six and Ninety Six Paise Only
15	Carraige of Mixed Materials above 15 Km beyound 10Km to 15 Kmslead at Complete as per specification and direction of Engineer-in-charge of the work.		12.29	73.50	Rupees Seventy Three and Fifty Paise Only
16	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Complete as per specification and direction of Engineer-in-charge of the work.	Cum	124.20	78.24	Rupees Seventy Eight and Twenty Four Paise Only

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